U.S: Application No.: 10/726,760

AMENDMENT A

Attorney Docket: DKT02164

## IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Please amend the claims as follows:

- (Currently Amended) A housing for a turbocharger and exhaust manifold system comprising
- a turbine housing (6, 7, 22) defining a rotor space (15) for receiving and accommodating a turbine rotor (18), said rotor space (15) being surrounded by a housing jacket (6, 7, 22) which is at least partially made of sheet metal;
- a branch pipe connection pipe means (4') for connecting said turbine housing (6, 7, 22) to at least one piece (3, 4) of an exhaust gas manifold (3, 4) of a combustion motor (20);

wherein the <u>turbine</u> housing <del>jacket</del> (6, 7, 22) of the rotor space (15) and at least the branch pipe connection pipe means (4') for the connection with the exhaust gas manifold piece (3, 4) are made of sheet metal, and

wherein the exhaust gas manifold pieces (3, 4) are is in thermal connection with said turbine housing jacket (6, 7, 22).

(Currently Amended) The turbocharger and exhaust manifold 2. system housing according to claim 1, wherein said branch pipe connection pipe means (4') is part of an exhaust manifold piece a collector tube element (4) which exhaust manifold piece (4) is a component of is inserted into the exhaust gas manifold (3,4), preferably of stamped sheet metal, wherein preferably also exhaust gas elbow pipe (1) is made in the same way.

U.S. Application No.: 10/726,760

AMENDMENT A

Attorney Docket: DKT02164

3. (Currently Amended) The <u>turbocharger and exhaust manifold</u> system housing according to claim 1, wherein the heat conductive connection is at least partially realized by a sliding connection.

- (Currently Amended) The turbocharger and exhaust manifold 4. system housing according to claim 1, wherein said heat conductive connection is formed between first and second tubular elements by comprises a conically widening portion (32; 32') of one of the tubular elements, in particular of the housing jacket (6, 7, 22) followed by a cylindrical portion (32'') into which the tubular end of the respective other element, in particular the tubular connection element (4'), is inserted, the conically widened portion having an angle  $(\alpha)$  of at most 30° and whereby the inner surface of the cylindrical portion (32'') abuts onto the outer surface of the tubular end of said respective other element, connection pipe means wherein one of said tubular elements is the housing (6, 7, 22) and the other of said tubular elements is the branch pipe (4').
- 5. (Currently Amended) The <u>turbocharger and exhaust manifold</u> system housing according to claim 4 [[3]], wherein said heat conducting connection comprises a cylindrical portion (32'') of one of the tubular elements, in particular the housing jacket (6, 7, 22) into which the tubular end of the respective other tubular element, in particular the connection pipe means (4'), is insertable, wherein preferably the inner surface of the cylindrical portion (32'') abuts onto the outer surface of the connection pipe means (4').

U.S: Application No.: 10/726,760

AMENDMENT A

Attorney Docket: DKT02164

6. (Currently Amended) The <u>turbocharger</u> and exhaust manifold system according to claim 1, wherein said housing jacket (6, 7) consists of at least two layers of <u>sheet</u> metal sheet arranged one <u>outside</u> on top of the other, whereof preferably the outer one (22) is thicker than the inner one (6), in particular 1.5 to 3 times thicker.

- 7. (Currently Amended) The <u>turbocharger</u> and exhaust manifold <u>system</u> housing according to claim 6, wherein the distance between said two layers of metal sheet (6, 22) at least over the bigger part of the extension of the housing, a distance of is at least 1 mm is provided, preferably of 8 mm and in particular between 2 and 5 mm.
- 8. (Currently Amended) The <u>turbocharger</u> and exhaust manifold <u>system</u> housing according to claim <u>6</u> [3], wherein the innerresp. one of the inner sheet metal layers (6) of the sheet metals layers (6, 22), which are arranged one on top of the other, forms is attached to the branch pipe (4') by a sliding connection, whereas [[in]] the respective outermost <u>sheet</u> metal layer (22) is formed of two or more of elements, the respective parts are welded together.
- 9. (Currently Amended) The <u>turbocharger</u> housing according to claim 1, wherein <u>outside</u> on top of the inner layer of sheet metal (6) of the housing jacket (6, 7, 22) there is at least one layer in form of an insulation layer (24, 25), preferably made of a textile tissue, such as a woven or knitted tissue, within which is embedded a metal layer (26), in particular a sheet metal layer.
- 10. (Currently Amended) The <u>turbocharger and exhaust manifold</u> system housing according to claim 1, wherein said housing

U.S: Application No.: 10/726,760

AMENDMENT A

Attorney Docket: DKT02164

jacket (6, 7) is assembled from at least two mutually complementary spiral portions, which are connected to each other by welding, whereas preferably also an exhaust gas inlet intake gas channel (21) of the housing wall and said branch connection pipe means (4') are made lengthwise in two parts, each of which is and respectively in one piece with the corresponding spiral portion.

- 11. (Currently Amended) The <u>turbocharger and exhaust manifold</u> system housing according to claim 4, wherein said angle  $(\alpha)$  is at most 20°.
- 12. (Currently Amended) The <u>turbocharger and exhaust manifold</u> system housing according to claim 4, wherein said angle  $(\alpha)$  is at least 7°.
- 13. (New) The turbocharger and exhaust manifold system as in claim 2, wherein said manifold piece (4) is stamped sheet metal.
- 14. (New) The turbocharger and exhaust manifold system as in claim 13, wherein the exhaust gas elbow pipe (1) is stamped sheet metal.
- 15. (New) The turbocharger and exhaust manifold system according to claim 6, wherein outer sheet metal (22) is 1.5 to 3 times thicker than the inner sheet metal (6).
- 16. (New) The turbocharger and exhaust manifold system according to claim 6, wherein the distance between said two layers of metal sheet (6, 22) at least over the bigger part of the extension of the housing, a distance of is between 2 and 5 mm.

U.S. Application No.: 10/726,760

AMENDMENT A

Attorney Docket: DKT02164

17. (New) The turbocharger and exhaust manifold system according to claim 9, wherein the insulation layer (24, 25) is made of a textile tissue within which is embedded a metal layer (26).

18. (New) The turbocharger and exhaust manifold system according to claim 16, wherein the insulation layer (24, 25) is a woven or knitted fabric and wherein said metal layer (26) is a sheet metal layer.